

## ABSTRACT

The present invention provides a color image processing device and a color image processing method which is In order

5 to perform natural and excellent sharpness processing to image data, the color image processing device of invention comprises: a color space converter (1) for converting image signals (RGB) to luminance signals (L), first chromaticity signals (C1) and second chromaticity signals (C2); a

10 luminance signal correcting unit for correcting the luminance signal (L) of a target pixel based on an average luminance signal ( $L_A$ ) obtained from the luminance signals of the target pixel and predetermined pixels surrounding the target pixel and the saturation signal (S) of the target pixel; a

15 chromaticity signal correcting unit for correcting the first chromaticity signal (C1) and the second chromaticity signal (C2) of the target pixel based on the first and second average chromaticity signals ( $C1_A$ ,  $C2_A$ ) obtained from the chromaticity signals of the target pixel and the

20 predetermined pixels surrounding the target pixel, the saturation signal (S) of the target pixel, the average saturation signal ( $S_A$ ) obtained from the saturation signals of the target pixel and the predetermined pixels surrounding the target pixel, and a hue difference signal (DC); and a

25 color space inverter (15) for inverting the corrected luminance signal ( $L'$ ), the corrected first chromaticity signal ( $C1'$ ) and the corrected second chromaticity signal ( $C2'$ ) of the target pixel to image signals ( $R'G'B'$ ).